



VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 1, line 21, with the following paragraph:

A method of thermally spray coating a cylinder wall of a light metal engine block includes providing [highly] high velocity oxygen-fuel (HVOF) device and advancing a feed wire of ferrous-based material into the HVOF device to locate a tip end of the wire in a high temperature zone of the HVOF device. High velocity jet flows of oxygen and gaseous fuel are supplied to the high temperature zone and combusted to generate sufficient heat to melt the tip end of the feed wire and spraying the molten feed wire material onto the cylinder wall of the engine block. According to a characterizing feature of the invention, the supply of the oxygen to the HVOF device is controlled in order to provide an oversupply of oxygen to the high temperature zone of the HVOF device in excess of the oxygen required for stoichiometric combustion of the gaseous fuel. The excess oxygen reacts with an associated fraction of the ferrous-based feed material in the high temperature zone to combust the associated fraction of the feed material as a source of solid fuel to generate a supplemental source of heat to the high temperature zone of the HVOF device.

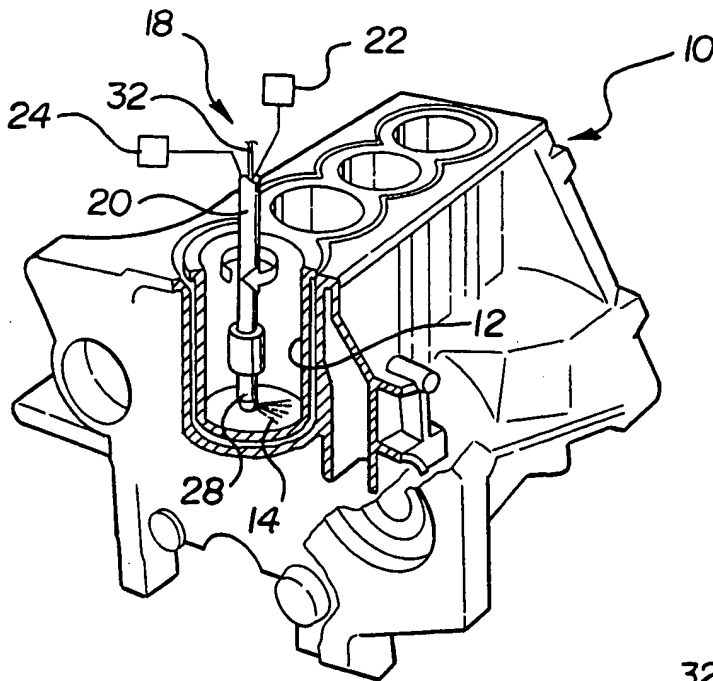


FIG-1

FIG-2

